

Abstract (Marked-up copy)

An object of the present invention is to provide a A light emitting device which is high in emission intensity and stable stability, that is to say, a light emitting device in which when an containing a LED or LD having an emission peak at 380 nm to 410 nm is used as an excitation light source of the light emitting device, the emission intensity of a red phosphor does not largely change to some deviation of the emission wavelength of the LED or LD to maintain not only brightness but also a balance at the time when mixed with a blue and green phosphors.

The present invention relates to a light emitting device characterized in that the device comprises and a phosphor which has Eu³⁺ as a luminescent center ion, in which a minimum emission intensity within the excitation wavelength range of 380 nm to 410 nm in an excitation spectrum is 65% or more of a maximum emission intensity, and which has an emission efficiency at 400 nm of is 20% or more, and a semiconductor light emitting element which emits light in the region from near ultraviolet light to visible light is provided.

Abstract (Clean Copy)

A light emitting device high in emission intensity and stability, containing a LED or LD having an emission peak at 380 nm to 410 nm as an excitation light source and a phosphor which has Eu³⁺ as a luminescent center ion, in which a minimum emission intensity within the excitation wavelength range of 380 nm to 410 nm in an excitation spectrum is 65% or more of a maximum emission intensity, and an emission efficiency at 400 nm is 20% or more is provided.